Operation Manual

FREQUENCY CONVERSION
CEF FISH POND PUMP

ARTICEL

50954 SunSun CEF-16000 Rohrpumpe 16000l/h
50955 SunSun CEF-22000 Rohrpumpe 22000l/h
50956 SunSun CEF-26000 Rohrpumpe 26000l/h
50957 SunSun CEF-30000 Rohrpumpe 30000l/h

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!
Due to further developments, illustrations, functioning steps and technical data can differ insignificantly.

Updating the documentation
If you have suggestions for improvement or have found any irregularities please contact us.

The information contained in this document is subject to change without prior notice. No part of this document can be copied or duplicated in another form without the prior written consent of Wiltec Wildanger Technik GmbH. The Wiltec Wildanger Technik GmbH assumes no liability for any errors in this user manual or the connection diagram.
Although Wiltec Wildanger Technik GmbH has made every effort to make sure that this user manual is complete, accurate and updated, errors cannot always be avoided. In the event of problems with this user manual please complete and send this form back to us.

FAX-notification (+++49 2403 55592-15**),**

from: _____

Name: _____

Firm:_____

Tel/Fax:_____

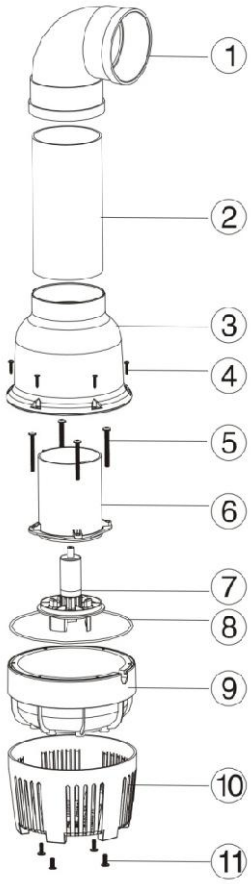
I would like to report the following mistakes:

Customer Service Wiltec Wildanger Technik GmbH
e-mail: **service@wiltec.info**
Tel:++ +49 2403 55592-0

Introduction

Thank you for purchasing this quality product. **To minimize the risk of injury by means of fire or electric shock we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**
Always use a grounded power connection with the appropriate mains voltage. You can find the corresponding mains voltage on the type plate. If you have any doubts about the connection being grounded, have it checked by a qualified professional. Never use a faulty electric cable.
Do not inspect the electrical part of the pressure pond filter in a wet or damp environment or when you are wet yourself and protect it from direct sunlight. Install this device in a safe location so that nobody can step on the cable, fall over or damage it. Disconnect the power plug before cleaning it and use only a damp cloth for cleaning. Avoid using cleaning agents and make sure that no liquid enters the electrical part of the pump.
The electric part of the device contains no parts that can be inspected or serviced by the user. Leave the maintenance, adjustment and repair to qualified technical personnel. In case of unauthorised intervention the 2-year warranty is no longer valid! Keep these operation instructions safe.

PART LIST



1	Elbow pipe
2	Straight pipe
3	Pump casing
4	Self-tapping screw
5	M6*60 screw
6	Motor
7	Rotor
8	Gasket
9	Impeller casing
10	Filter casing
11	M6*16 screw

CONVENTIONAL USE

You can use this pump in clean or dirty pond water with a temperature of -4 to +35
You can use the pump as follows:
1.Operating as a fish pond pump to change water
2.Operating as a stream pump
3.Operating as a waterfall pump
4.Operating as a filter pump for pond and garden

SAFETY INSTRUCTION

1.For your own safety, please contact an electrical specialist in case of questions and problems.
2. Before reaching in the water, always unplug all power cords of devices in the water.
3. Plug in the pump only to a power socket with ground protect. This type of outlet must have been set up according to the respective national directive (VDE, EN……IEC etc.) Insure that the PE conduct extends all the way to the pump.
4.Never use installations, adapters extension cords or connecting cords without ground contact.
5. Insure that the pump is supplied via a residual current device (FI or RCD) with a measured residual current of not more than 30mA.
6. Electrical installations on garden ponds must correspond to the international and national installation directives.
7. Only operate the pump if no one is in the water.
8. Do not carry or pull the pump by the connecting cord.
9. Keep the power plug and all connecting parts dry.
10. The pump may not be operated if the cable or the housing is defective.
11. If the power cord of the pump is damaged then it must be replaced by the manufacturer or his customer service or by a similarly qualified person, to avoid hazard.
12. Never displace any liquids other than water.

PLACING IN SERVICE

1.Read and familiarize yourself with the safety instructions before placing in service.
2.Compare the voltage (V) and frequency (HZ) of your electrical circuit with the data on the model plate. These data must be agreed.
3.Make the necessary and correct hose connections (if required) And the connections should be as lower as you can to make sure the max flow.
4.Install the pump horizontally on a fixed support at least 20cm under the water surface. Comply with the maximum permitted immersion depth 1.5meter.
5.Do not place the pump directly in the pond floor mud, place the pump on raised surface.
6.Lay the power cord in a protected manner to exclude the possibility of damage.
7.Connect the pump to the electrical circuit.

Important note:

Never operate the pump without the filter basket. The filter basket protects the pump from coarse dirt that can lead to plugging up the pump.
Never run the pump without water. Otherwise the shaft will be damaged.
Device has just started, the open torque is very small, the pump can not work smoothly when the viscosity is big. Please clean the pump regularly.

MAINTENANCE / CLEANING

Follow the safety instruction

1. Clean the filter housing monthly, or if the pump capacity is reduced, by using a soft brush under running water.
2. Also clean the pump in the case of frequency use.

Cleaning the pump

1. Cut off the power
2. Dismantle the filter housing.
3. Clean the pump with a soft brush under running water.
4. Remove any grime in the rotor through the openings.

WINTER CARE

1. Take the pump out of the water after power off.
2. Thoroughly clean the pump (see section CLEANING)
3. Check the pump for damage
4. Store the pump in frost-free conditions, in a container with water if possible.

CAUTION: NEVER IMMERSE THE CONNECTING PLUG.

Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2002/96/EC) were implemented in the law related to electrical and electronic equipment and appliances.

All Wiltec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company Wiltec Technik GmbH has been registrated in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).
The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.

Materials' recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities or the store where you purchased the article.

Address:
WilTec Wildanger Technik GmbH
Königsbenden 12 / 28
D-52249 Eschweiler

Important notice:

The reprint or reproduction, even of excerpts, and any commercial use, even in part of this instructions manual require the written permission of Wiltec Wildanger Technik GmbH.